CLAIM LISTING

Amendments to the claims are reflected in the following listing, which replaces any and all prior versions and listings of claims in the present application:

Amendments to the Claims:

1.   (Currently Amended) A transponder-reader transaction system configured with a biometric security apparatus system, said system comprising:

a transponder configured to communicate with a reader;

a reader configured to communicate with said system;

a vascular scan sensor configured to detect a proffered vascular scan sample, said vascular scan sensor configured to communicate with said system; and,

a device configured to verify said proffered vascular scan sample to facilitate a transaction, said device further configured to determine whether said transaction is in compliance with a preset transaction limitation associated with said vascular scan sample.

2.   (Original) The transponder-reader transaction system of claim 1, wherein said sensor is configured to communicate with said system via at least one of a transponder, a reader, and a network.

3.   (Currently Amended) The transponder-reader transaction system of claim 1, wherein said vascular scan sensor is configured to facilitate a finite limited number of scans.

4.   (Original) The transponder-reader transaction system of claim 1, wherein said vascular scan sensor is configured to log at least one of a detected vascular scan sample, processed vascular scan sample and stored vascular scan sample.

5.   (Original) The transponder-reader transaction system of claim 1, further including a database configured to store at least one data packet, wherein said data packet includes at least one of proffered and registered vascular scan samples, proffered and registered user information, terrorist information, and criminal information.

6.   (Original) The transponder-reader transaction system of claim 5, wherein said database is contained in at least one of the transponder, transponder reader, sensor, remote server, merchant server and transponder-reader system.

7.   (Currently Amended) The transponder-reader transaction system of claim 6, wherein said ~~remote~~ database is configured to be operated by an authorized sample receiver.

8.   (Currently Amended) The transponder-reader transaction system of claim 1, wherein said vascular scan sensor ~~device~~ is configured with at least one of an optical and thermal scanner.

9.   (Original) The transponder-reader transaction system of claim 1, wherein said vascular scan sensor is configured to detect and verify vascular scan characteristics including biometric reference points and blood pressure characteristics.

10.   (Original) The transponder-reader transaction system of claim 9, wherein said biometric reference points include at least one of vascular coordinates, vascular lengths, widths and depths, and tissue lengths, widths and depths.

11.   (Original) The transponder-reader transaction system of claim 9, wherein said blood pressure characteristics include at least one of waveforms, dicrotic notches, diastolic pressure, systolic pressure, anacrotic notches, and pulse pressure.

12.   (Currently Amended) The transponder-reader transaction system of claim 1, wherein said vascular scan sensor ~~device~~ is configured to detect ~~and verify~~ false vascular <u>scan samples</u> and <u>false</u> thermal patterns.

13.   (Currently Amended) The transponder-reader transaction system of claim 1, ~~further including a~~ <u>wherein said</u> device <u>is</u> configured to compare ~~a~~ <u>said</u> proffered vascular scan sample with a stored vascular scan sample.

14.   (Currently Amended) The transponder-reader transaction system of claim 13, wherein said device ~~configured to compare a vascular scan sample~~ is at least one of a third-party security vendor device and protocol/sequence controller.

15.   (Original) The transponder-reader transaction system of claim 13, wherein a stored vascular scan sample comprises a registered vascular scan sample.

16.   (Original) The transponder-reader transaction system of claim 15, wherein said registered vascular scan sample is associated with at least one of: personal information, credit card information, debit card information, savings account information, and loyalty point information.

17.   (Original) The transponder-reader transaction system of claim 16, wherein different registered vascular scan samples are associated with a different one of: personal information,

credit card information, debit card information, savings account information, and loyalty point information.

18.   (Currently Amended) The transponder-reader transaction system of claim 16, wherein a said registered vascular scan sample is primarily associated with at least one of first user information, wherein said first information comprises personal information, credit card information, debit card information, savings account information, and loyalty point information, and wherein a said registered vascular scan sample is secondarily associated with at least one of second user information, wherein said second information comprises personal information, credit card information, debit card information, savings account information, and loyalty point information, where second user information is different than first user information.

19.   (Original) The transponder-reader transaction system of claim 1, wherein said transponder-reader transaction system is configured to begin mutual authentication upon verification of said proffered vascular scan sample.

20.   (Original) The transponder-reader transaction system of claim 1, wherein said transponder is configured to deactivate upon rejection of said proffered vascular scan sample.

21.   (Currently Amended) The transponder-reader transaction system of claim 1, wherein said sensor is configured to provide a notification upon detection of a said proffered vascular scan sample.

22.   (Currently Amended) The transponder-reader transaction system of claim 1, wherein said device configured to verify is configured to facilitate at least one of authorized access, activation of a second device, a financial transaction, and a non-financial transaction.

23.   (Currently Amended) The transponder-reader transaction system of claim 1, wherein said device configured to verify is configured to facilitate the use of at least one secondary security procedure.

24.   (Currently Amended) A method for facilitating biometric security in a transponder-reader transaction system comprising: proffering a vascular scan sample to a vascular scan sensor communicating with said system to initiate verification of a said vascular scan sample for facilitating authorization of a transaction, said verification including determining whether said vascular scan sample is associated with a preset transaction limitation.

25.   (Currently Amended) The method for of claim 24, further comprising registering at least one a vascular scan sample with an authorized sample receiver.

26.   (Currently Amended) The method of claim 25, wherein said step of registering further includes at least one of: contacting said authorized sample receiver, proffering a vascular scan sample to said authorized sample receiver, processing said vascular scan sample to obtain a vascular scan sample, associating said vascular scan sample with user information, verifying said vascular scan sample, and storing said vascular scan sample upon verification.

27.   (Currently Amended) The method of claim 24, wherein said step of proffering includes proffering a vascular scan sample to at least one of an optical and thermal scanner.

28.   (Currently Amended) The method of claim 24, wherein said step of proffering further includes proffering a vascular scan sample to a vascular scan sensor communicating with said system to initiate at least one of: storing, comparing, and verifying said vascular scan sample.

29.   (Currently Amended) The method of claim 24, wherein said step of proffering a vascular scan to a vascular scan sensor communicating with said system to initiate verification further includes processing database information, wherein said database information is contained in at least one of a transponder, transponder reader, sensor, remote server, merchant server and said transponder-reader system.

30.   (Currently Amended) The method of claim 24, wherein said step of proffering a vascular scan to a vascular scan sensor communicating with said system to initiate verification further includes further comprising comparing a said proffered vascular scan sample with a stored vascular scan sample.

31.   (Currently Amended) The method of claim 30, wherein said step of comparing includes comparing a said proffered vascular scan sample to a stored vascular scan sample by using at least one of a third-party security vendor device and protocol/sequence controller.

32.   (Original) The method of claim 30, wherein said step of comparing includes comparing vascular scan characteristics including at least one of biometric reference points and blood pressure characteristics.

33.   (Currently Amended) The method of claim 24, wherein said step of proffering a vascular scan to a vascular scan sensor communicating with said system further comprises using said vascular scan sensor to detect at least one of false vascular scan samples and false thermal patterns.

34.   (Currently Amended) The method of claim 24, wherein said step of proffering a vascular scan to a vascular scan sensor communicating with said system to initiate verification further

includes at least one of detecting, processing and storing at least one second proffered vascular scan sample.

35. (Currently Amended) The method of claim 24, wherein said step of proffering a-vascular scan to a vascular scan sensor communicating with said system to initiate verification further includes the use of at least one secondary security procedure.

36. (Currently Amended) A method for facilitating biometric security in a transponder-reader transaction system comprising:

detecting a proffered vascular scan sample at a sensor communicating with said system to obtain a proffered vascular scan sample;

verifying the said proffered vascular scan sample; and

authorizing a transaction to proceed upon verification that said transaction is in compliance with a preset transaction limitation associated with said of the proffered vascular scan sample.

37. (Currently Amended) The method of claim 36, wherein said step of detecting further includes detecting a proffered vascular scan sample at a sensor configured to communicate with said system via at least one of a transponder, reader, and network.

38. (Currently Amended) The method of claim 36, wherein said step of detecting a proffered vascular scan sample includes detecting a proffered vascular scan at least one of an optical and thermal scanner.

·39. (Currently Amended) The method of claim 36, wherein said step of detecting includes at least one of: detecting, storing, and processing a proffered vascular scan sample.

40. (Currently Amended) The method of claim 36, wherein said step of detecting further includes receiving a finite limited number of proffered vascular scan samples during a transaction.

41. (Currently Amended) The method of claim 36, wherein said step of detecting further includes further comprising logging each proffered vascular scan sample.

42. (Currently Amended) The method of claim 36, wherein said step of detecting further includes at least one of detection, processing and storing at least one a second proffered vascular scan sample.

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43.   (Currently Amended) The method of claim 36, wherein said step of detecting further includes using said vascular scan sensor to detect at least one of false vascular scan samples and false thermal patterns.

44.   (Currently Amended) The method of claim 36, wherein said step of verifying includes comparing a said proffered vascular scan sample with a stored vascular scan sample.

45.   (Currently Amended) The method of claim 44, wherein said step of comparing a said proffered vascular scan sample with a stored vascular scan sample comprises storing, processing and comparing at least one vascular scan characteristic including biometric reference points and blood pressure characteristics.

46.   (Currently Amended) The method of claim 44, wherein comparing a said proffered vascular scan sample with a stored vascular scan sample includes comparing a said proffered vascular scan sample with at least one of a biometric sample of a criminal, a terrorist, and a transponder user.

47.   (Currently Amended) The method of claim 36, wherein said step of verifying includes verifying a said proffered vascular scan sample using information contained on at least one of a local database, a remote database, and a third-party controlled database.

48.   (Currently Amended) The method of claim 36, wherein said step of verifying includes verifying a said proffered vascular scan sample using one of a protocol/sequence controller and a third-party security vendor

49.   (New) The method of claim 1, wherein said preset transaction limitation comprises at least one of a maximum transaction amount, minimum transaction amount, maximum number of transactions within a time period, maximum number of transactions, use by certain merchants, temporal limitation, geographic limitation, and use of non-monetary funds.

50.   (New) The system of claim 1, wherein said device is further configured to require a second proffered vascular scan sample to override said preset transaction limitation.

51.   (New) The system of claim 13, wherein said stored facial scan sample is stored by at least one of a third-party biometric security vendor and a governmental agency.

52.   (New) The method of claim 24, wherein said preset transaction limitation comprises at least one of a maximum transaction amount, minimum transaction amount, maximum number of transactions within a time period, maximum number of transactions, use by certain merchants, temporal limitation, geographic limitation, and use of non-monetary funds.

53.   (New) The method of claim 24, further comprising requiring a second proffered vascular scan sample to override said preset transaction limitation.

54.   (New) The method of claim 36, wherein said preset transaction limitation comprises at least one of a maximum transaction amount, minimum transaction amount, maximum number of transactions within a time period, maximum number of transactions, use by certain merchants, temporal limitation, geographic limitation, and use of non-monetary funds.

55.   (New) The method of claim 36, further comprising requiring a second proffered vascular scan sample to override said preset transaction limitation.

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